

ABSTRACT OF THE DISCLOSURE

A Faraday rotator which is improved in temperature-dependent Faraday rotation angle  
5 characteristic and thus in quality. Faraday rotation is caused by a first magnetic field applied to a magneto-optical crystal of the Faraday rotator, and the Faraday rotation angle is controlled by a second magnetic field over an entire variable strength range of the second  
10 magnetic field. The magneto-optical crystal is positioned in such a manner that the direction of a combined magnetic field of the first and second magnetic fields, except for the direction of the first magnetic field, is variable intermediately between easy and hard magnetization axes of  
15 the magneto-optical crystal.